

32-7093: Recombinant Human Carbonic Anhydrase 13/CA13 (C-6His)(Discontinued)

Gene : CA13
Gene ID : 377677
Uniprot ID : Q8N1Q1

Description

Source: E.coli.
MW :30.51kD.

Recombinant Human Carbonic Anhydrase 13 is produced by our E.coli expression system and the target gene encoding Met1-His262 is expressed with a 6His tag at the C-terminus. Carbonic Anhydrase 13 (CA13) belongs to the carbonic anhydrase family which can catalyzes the reversible hydration recation of carbon dioxide. Carbonic anhydrases participate in many biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. CA13 is a cytosolic enzyme and is widely expressed in human, such as thymus, small intestine, spleen, prostate, ovary, colon and testis, indicating that it may play a key role in several organs. CA13 is inhibited by acetazolamide.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MSRLSWG YREHNGPIHWKEFFPIADGDQQSPIEIKTKEVKYDSSLRPLSIKYDPSSAKIISNSGHSFN
VDFDDTENKSVLRGGPLTGSYRLRQVHLHWGSADDHGSEHIVDGVSYAAELHVVHWNSDKYPSF
VEAAHEPDGLAVLGVFLQIGEPNSQLQKITDTLDSIKEKGKQTRFTNFDLLSLLPPSWDYWTYPGSL
TVPPLLESVTWIVLKQPINISSQQLAKFRSLLCTAEGEAAFLVSNHRPPQPLKGRKVRASFHLEHH
HHHH

Application Note

Endotoxin : Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.
Biological Activity : Specific Activity is greater than 384.94pmol/min/ug